

I Claim:

1. A silt filtration system adapted for placement at an inlet of a storm water catch basin, and cooperating with a grate located adjacent a street curb at a mouth of the inlet to separate silt and debris entrained in storm water entering the catch basin, said filtration system comprising:

(a) a frame adapted for residing between the grate and the mouth of the inlet, and having elongated front, rear, and opposing side frame members;

(b) a filtration medium supported within said frame and arranged to filter storm water entering said catch basin through the grate; and

(c) a backsplash attached to the rear frame member, and adapted for extending outwardly from the grate and upwardly into an open curb space between the grate and the curb, such that storm water splashing over the grate and into the curb space is deflected by said backsplash into the filtration medium within said frame.

2. A silt filtration system according to claim 1, wherein said filtration medium comprises a silt bag.

3. A silt filtration system according to claim 2, and comprising cooperating front and rear support rods extending between said opposing side frame members for suspending said silt bag from said frame.

4. A silt filtration system according to claim 3, wherein said silt bag comprises open-ended front and rear sleeves formed along a top marginal portion thereof for receiving respective front and rear support rods.

5. A silt filtration system according to claim 4, wherein said frame comprises cooperating pairs of generally V-shaped carriers adapted for holding opposing ends of respective front and rear support rods.

6. A silt filtration system according to claim 5, and comprising first and second side support rods extending between said front and rear frame members and cooperating with said front and rear support rods to suspend said silt bag from said frame.

7. A silt filtration system according to claim 1, wherein said frame members comprise angle irons.

8. A silt filtration system according to claim 1, and comprising at least one lift eye

attached to said frame and adapted for receiving a lift hook used to remove said frame and filtration medium from the inlet of the catch basin.

9. A silt filtration system according to claim 1, wherein said backsplash comprises a lower splash panel attached to said rear frame member, and extending outwardly from said rear frame member at an angle greater than 90 degrees and less than 160 degrees relative to a notional plane extending through said front, rear, and side frame members.

10. A silt filtration system according to claim 9, wherein said backsplash further comprises an upper splash panel formed at an angle greater than 90 degrees and less than 160 degrees to said lower splash panel.

11. A silt filtration system according to claim 1, and comprising opposing side splash panels attached to said backsplash and respective side frame members to further deflect storm water into the filtration medium within said frame.

12. A silt filtration system adapted for placement at an inlet of a storm water catch basin, and cooperating with a grate located adjacent a street curb at a mouth of the inlet to separate silt and debris entrained in storm water entering the catch basin, said filtration system comprising:

(a) a frame adapted for residing between the grate and the mouth of the inlet, and having elongated front, rear, and opposing side frame members;

(b) a silt bag supported within said frame and arranged to filter storm water entering said catch basin through the grate;

(c) a backsplash attached to the rear frame member, and adapted for extending outwardly from the grate and upwardly into an open curb space between the grate and the curb, such that storm water splashing over the grate and into the curb space is deflected by said backsplash into the filtration medium within said frame; and

(d) first and second lift eyes attached to respective side frame members and adapted for receiving lift hooks used to remove said frame and silt bag from the inlet of the catch basin.

13. A silt filtration system according to claim 12, wherein said backsplash comprises a lower splash panel attached to said rear frame member, and extending outwardly from said rear frame member at an angle greater than 90 degrees and less than 160 degrees relative to a notional plane extending through said front, rear, and side frame members.

14. A silt filtration system according to claim 13, wherein said backsplash further comprises an upper splash panel formed at an angle greater than 90 degrees and less than 160 degrees to said lower splash panel.

15. A silt filtration system according to claim 12, and comprising opposing side splash panels attached to said backsplash and respective side frame members to further deflect storm water into the filtration medium within said frame.

16. A method of filtering silt and debris entrained in storm water entering a below-grade catch basin through a grate located at an inlet of the catch basin adjacent a street curb, said method comprising the steps of:

(a) positioning a filtration medium within a frame residing between the grate and a mouth of the inlet, the frame having elongated front, rear, and opposing side frame members; and

(b) attaching a backsplash to the rear frame member, the backsplash extending outwardly from the grate and upwardly into an open curb space between the grate and the curb, such that storm water splashing over the grate and into the curb space is deflected by the backsplash into the filtration medium within the frame.

17. A method according to claim 16, and comprising removing the frame and filtration medium from the mouth of the catch basin to empty silt and debris captured by the filtration medium.

18. A method according to claim 17, wherein the step of removing the frame and filtration medium comprising securing lift hooks to respective lift eyes attached to the frame.